

7. (New) An electron source comprising a plurality of electron-emitting devices according to Claim 5 or 6 disposed on a substrate, and wirings connected to said electron-emitting devices.

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8. (New) An image forming apparatus comprising an electron source according to Claim 7, and an image forming member for effecting image formation by electrons emitted from said electron source colliding against it.

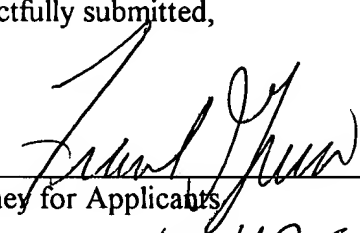
REMARKS

Claims 1-8 are now presented for examination. Claims 1-4 have been amended as shown above. Those changes are believed to be merely formal in nature, and are not believed to effect the scope of those claims. Also, those changes have not been made for purposes related to patentability. Claims 5-8 have been added to provide Applicants with a more complete scope of protection.

Claims 1-4 were allowed in the Notice Of Allowance dated July 2, 2001. Added Claims 5-8 recite features that are similar in at least some respects to those of Claims 1-4, respectively, and also are believed to be in condition for allowance. Accordingly, favorable consideration and early passage to issue of the present application are respectfully requested.

Applicants' attorney of record may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our below listed address.

Respectfully submitted,



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VERSION WITH MARKINGS TO SHOW CHANGES MADE TO CLAIMS

1. (Amended) An electron-emitting device [having] comprising a pair of electric conductors disposed on a substrate and a pair of films composed chiefly of carbon and connected to said pair of electric conductors and disposed with a gap interposed therebetween, [characterized in that] wherein said films contain therein one or more kinds of elements selected from the group of lithium, potassium, sodium, calcium, strontium and barium within the range of 1 mol% to 5 mol% in terms of the percentage to carbon.

2. (Amended) An electron-emitting device [provided with] comprising a pair of device electrodes disposed on a substrate, an electrically conductive film connected to said pair of device electrodes and having a fissure between the pair of device electrodes, and a carbon film composed chiefly of carbon and formed in said fissure and on an area including said fissure and having in said fissure a gap of a width narrower than said fissure, [characterized in that] wherein said carbon film contains therein one or more kinds of elements selected from the group of lithium, potassium, sodium, calcium, strontium and barium within the range of 1 mol% to 5 mol% in terms of the percentage to carbon.

3. (Amended) An electron source [characterized by the provision of] comprising

a plurality of electron-emitting devices according to Claim 1 or 2 disposed on a substrate, and wirings connected to said electron-emitting devices.

4. (Amended) An image forming apparatus [characterized by the provision of] comprising an electron source according to Claim 3, and an image forming member for effecting image formation by electrons emitted from said electron source colliding against it.

5. (New) An electron-emitting device comprising a pair of electric conductors disposed on a substrate and a pair of films composed chiefly of carbon and connected to said pair of electric conductors and disposed with a gap interposed therebetween, wherein said films contain therein one or more kinds of elements selected from the group of lithium, potassium, sodium, calcium, strontium and barium of 5 mol% or less in terms of the percentage of carbon.

6. (New) An electron-emitting device comprising a pair of device electrodes disposed on a substrate, an electrically conductive film connected to said pair of device electrodes and having a fissure between the pair of device electrodes, and a carbon film composed chiefly of carbon and formed in said fissure and on an area including said fissure and having in said fissure a gap of a width narrower than said fissure, wherein said carbon film contains therein one or more kinds of elements selected from the group of lithium, potassium, sodium, calcium, strontium and barium of 5 mol% or less in terms of the percentage to carbon.

7. (New) An electron source comprising a plurality of electron-emitting devices according to Claim 5 or 6 disposed on a substrate, and wirings connected to said electron-emitting devices.

8. (New) An image forming apparatus comprising an electron source according to Claim 7, and an image forming member for effecting image formation by electrons emitted from said electron source colliding against it.

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